



**Espacenet**

## Bibliographic data: JP 8504354 (T)

### INSERT DEVICE FOR FACILITATING LIMITED ASPIRATION

**Publication date:** 1996-05-14

**Inventor(s):**

**Applicant(s):**

**Classification:**  
 - **international:** **A61M5/315; A61M5/145; A61M5/31;** (IPC1-7): A61M5/315  
 - **European:** A61M5/315C

**Application number:** JP19930514419 19931209

**Priority number(s):** WO1993US12004 19931209; US19920988275 19921214

**Also published as:**

- WO 9413340 (A1)
- US 5370621 (A)
- US 5472431 (A)
- MX 9307954 (A)
- EP 0746347 (A1)
- more

**Abstract not available for JP 8504354 (T)**

**Abstract of corresponding document: WO 9413340 (A1)**

A delivery apparatus (20) in the form of a syringe assembly and piston (30) with structure for preventing withdrawal of the piston (30) a distance more than the thickness of the piston (30). The syringe (20) is preferably pre-filled and sterilized to provide a sterile syringe assembly with sterile fluid contents. Controlled, limited withdrawal of the piston (30) facilitates aspiration of the syringe without the contamination risks caused by piston withdrawal that allows the sterile fluid contents to contact the exposed interior of the container portion disposed behind the piston (30).

Last updated: 26.04.2011 Worldwide Database 5.7.23; 93p

